

Application Note

A-22

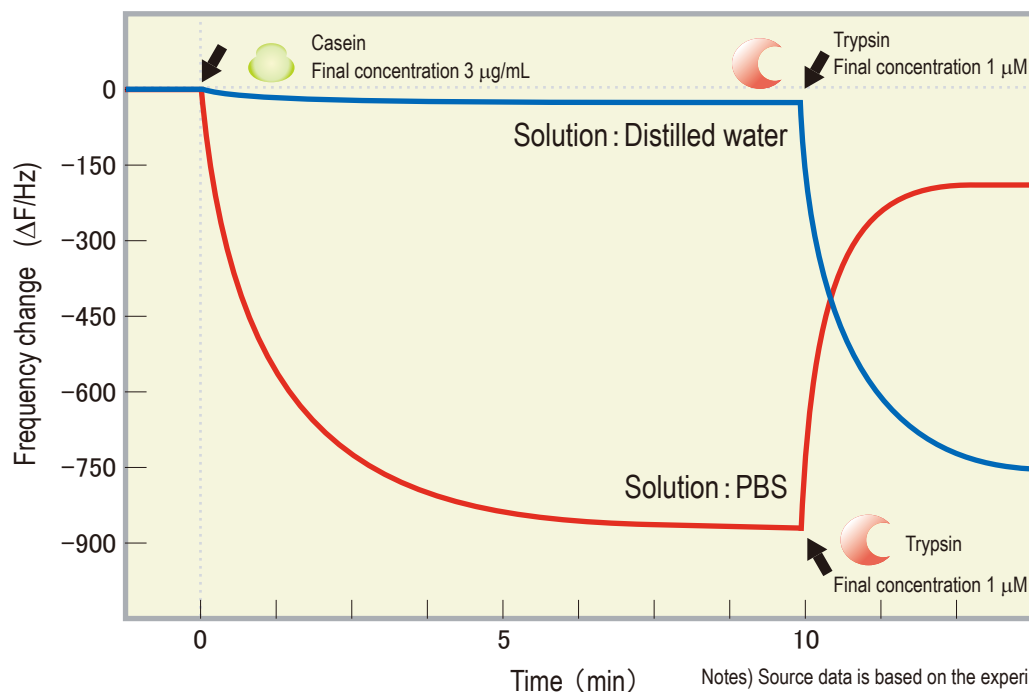
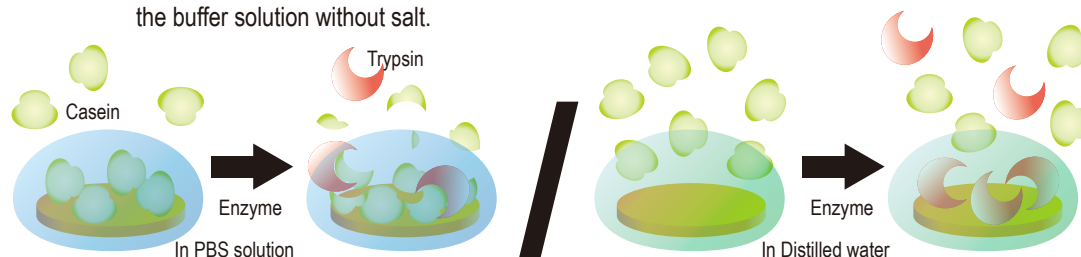
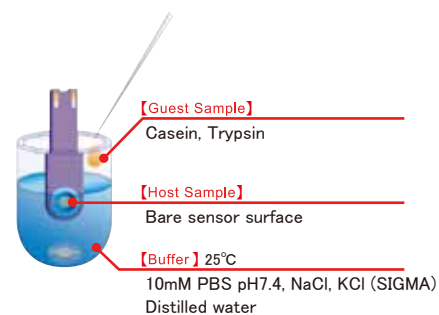
Difference of solution for Enzyme reaction

Materials

1. Casein
2. Trypsin

Results

1. Casein physically adsorbed onto sensor surface in the buffer solution with salt.
2. Protease's reaction occurred in the buffer solution with salt.
3. Casein never physically adsorbed onto sensor surface in the buffer solution without salt.
4. Protease physically adsorbed onto sensor surface in the buffer solution without salt.



Notes) Source data is based on the experiments done by INITIUM, Inc.

Applications

1. Optimization of solution conditions for targeted enzyme reaction.
2. Evaluation of ion condition for adsorption and enzyme reaction.
3. Examination and confirmation of sample immobilization to QCM sensor surface.